

Figure 16

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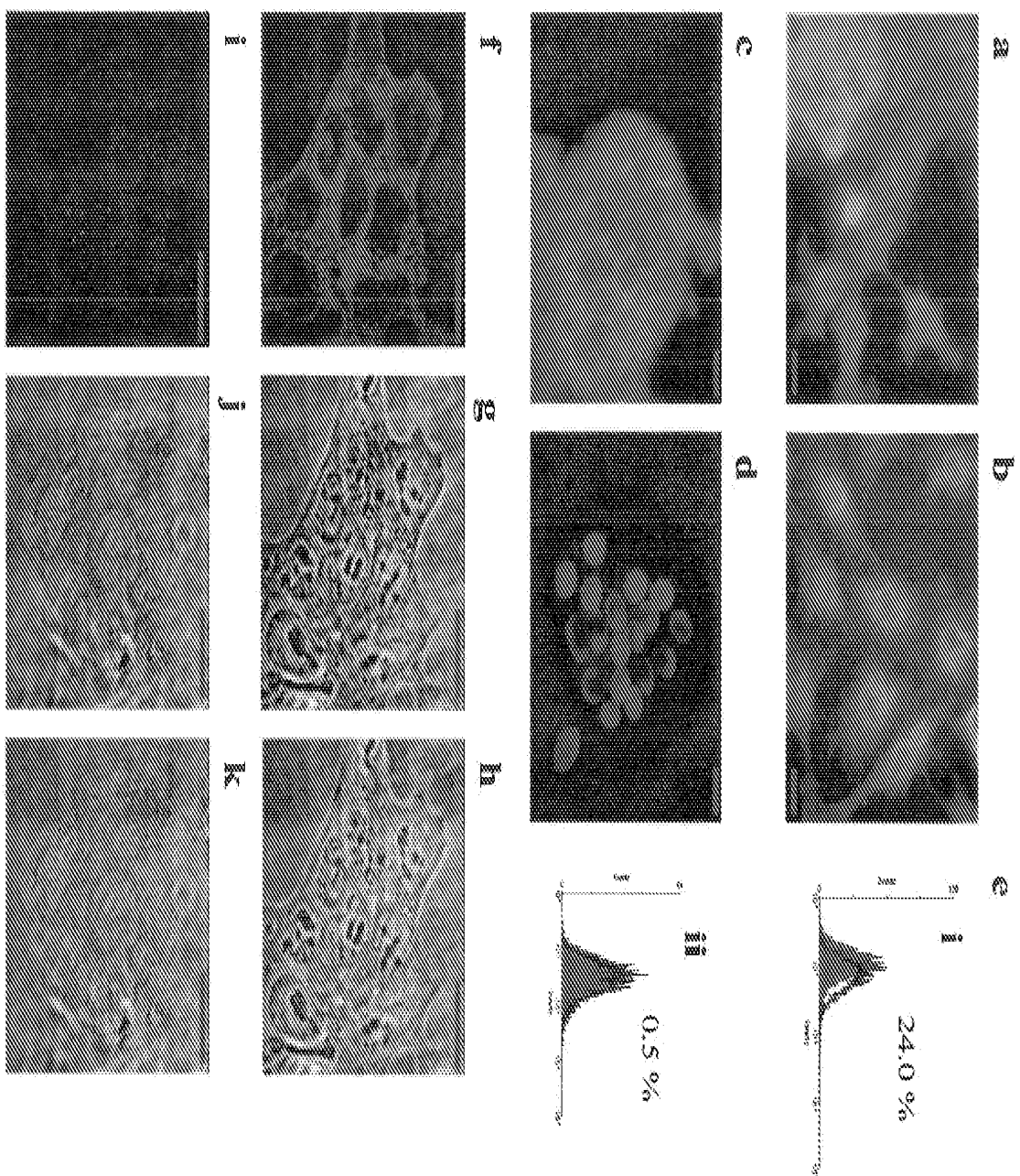


Figure 17

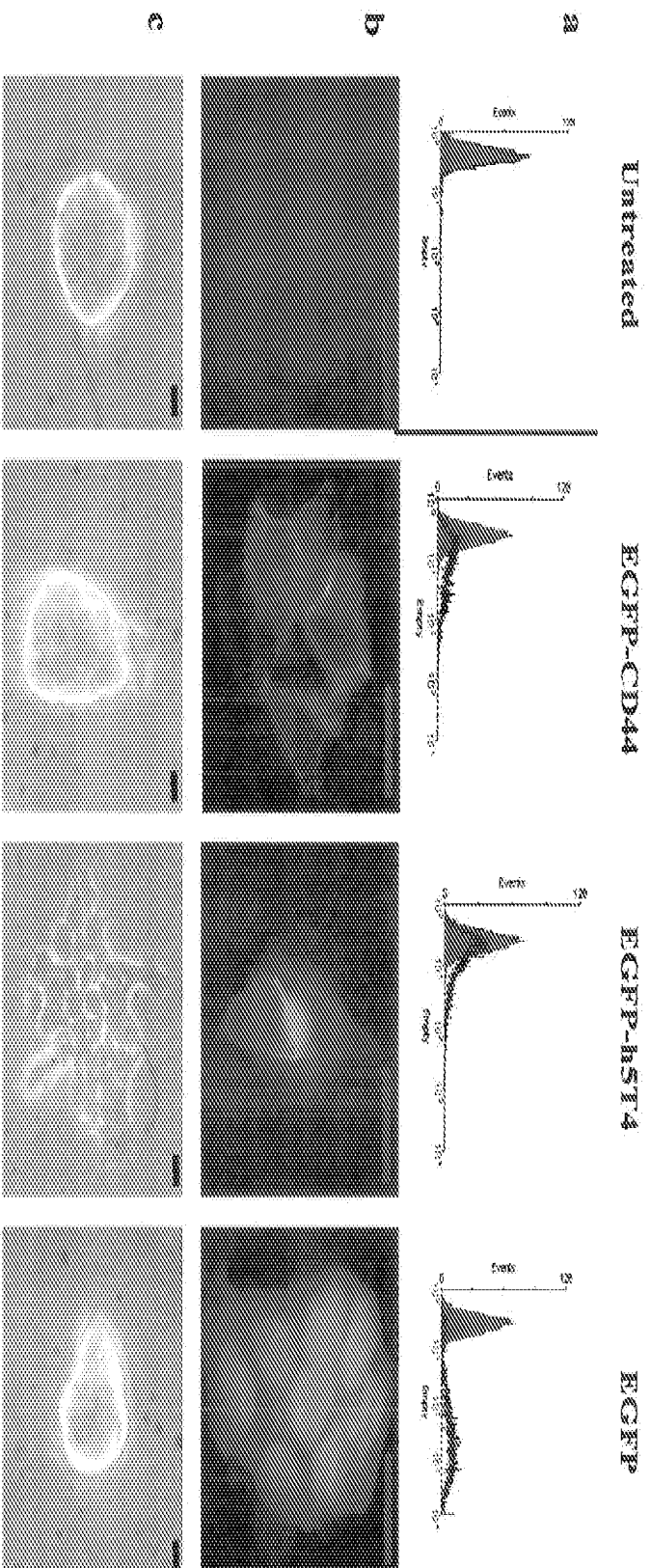
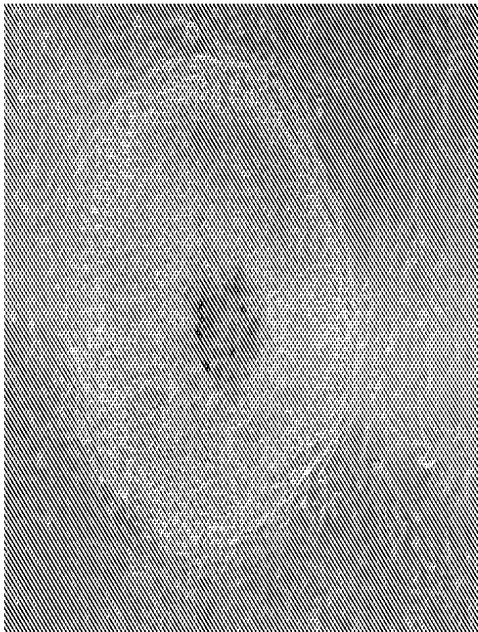


Figure 22a

Undifferentiated ES colony on pefs
(x100)



Undifferentiated ES colony (x400)
showing edge and feeders

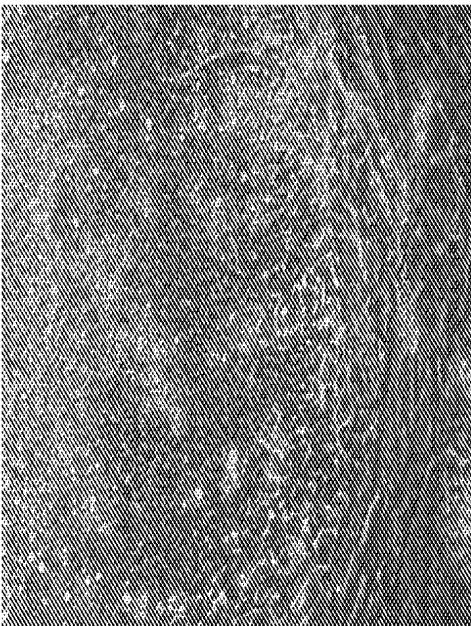
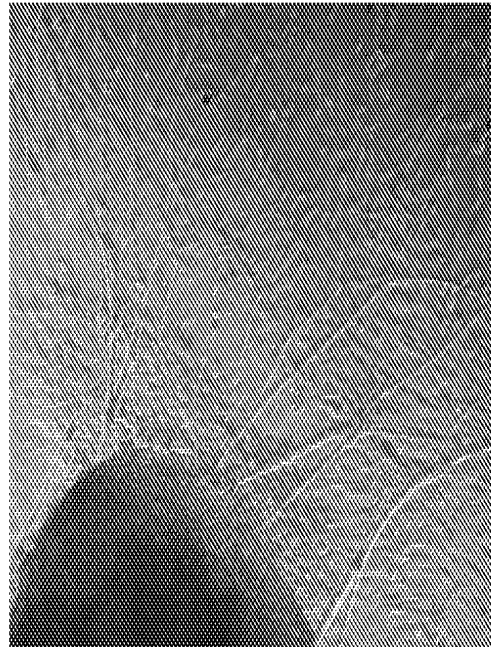


Figure 22b

Differentiated ES colony (x100) on
fibronectin coated plates and no pefs



Differentiation of neural cells at the
edge of the colony (x400)

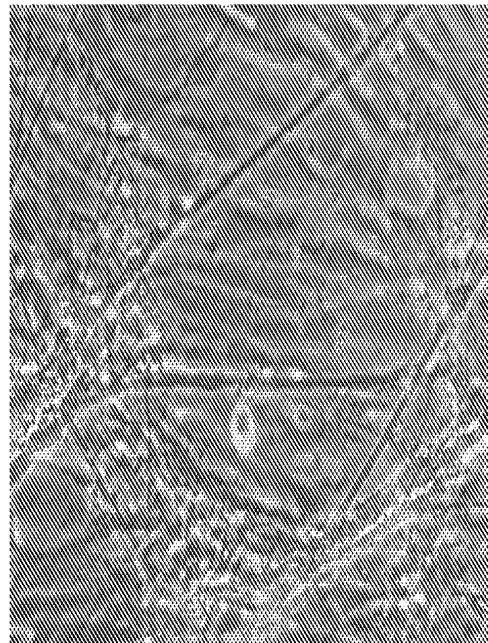


Figure 24: Dual 5T4/Oct-4 staining of hES colony on pefs with a few areas of loss of Oct4 and concomitant upregulation of 5T4

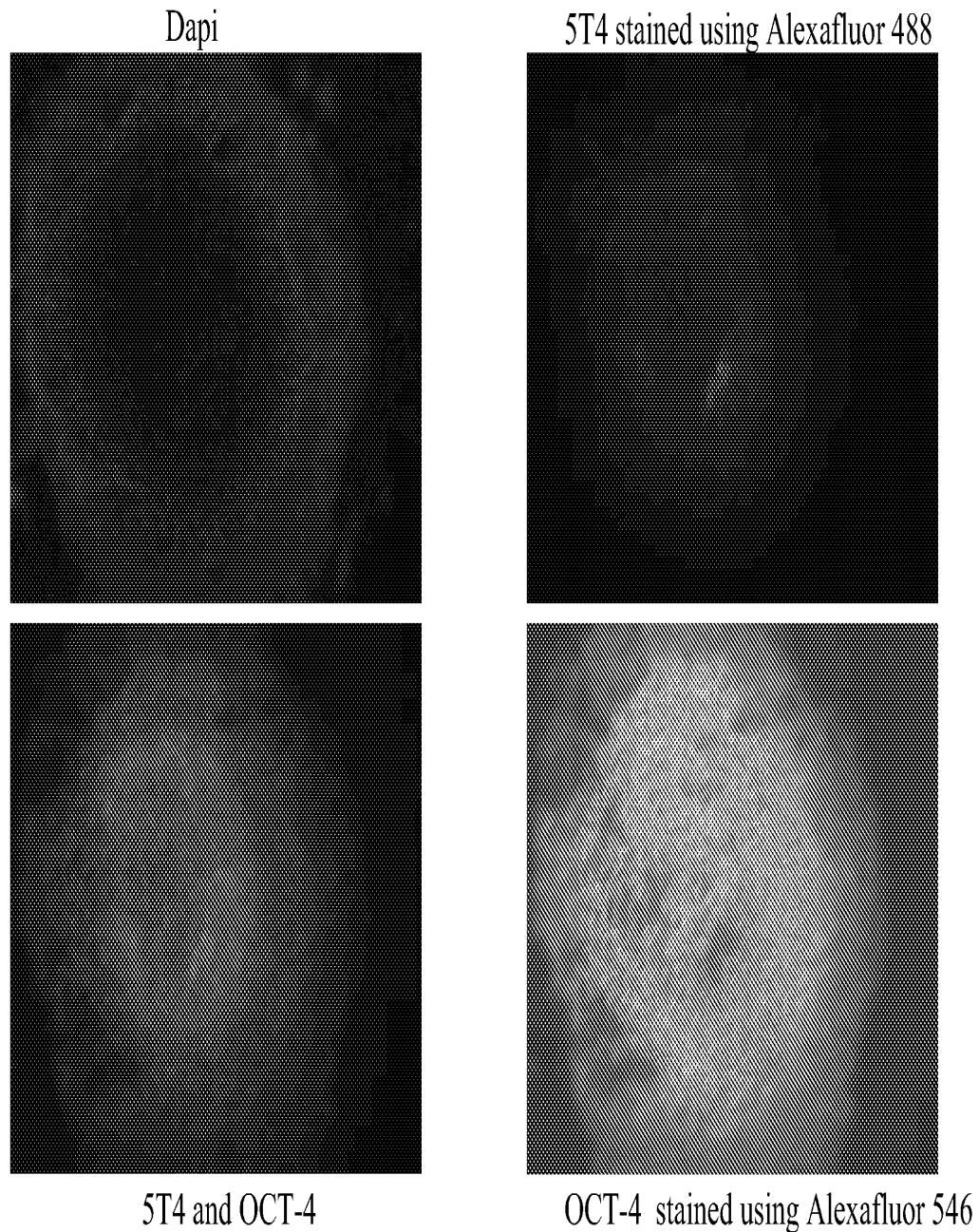
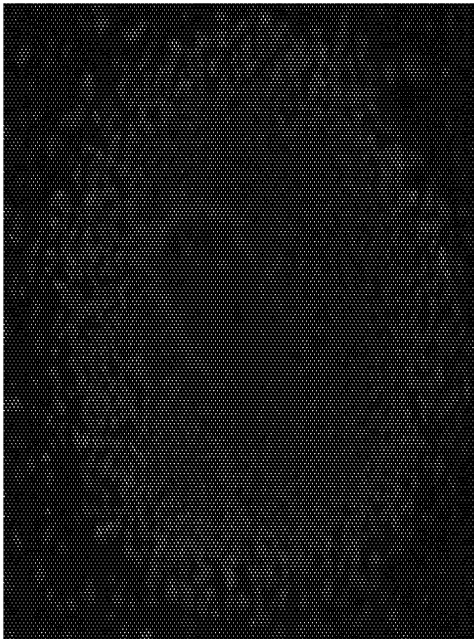
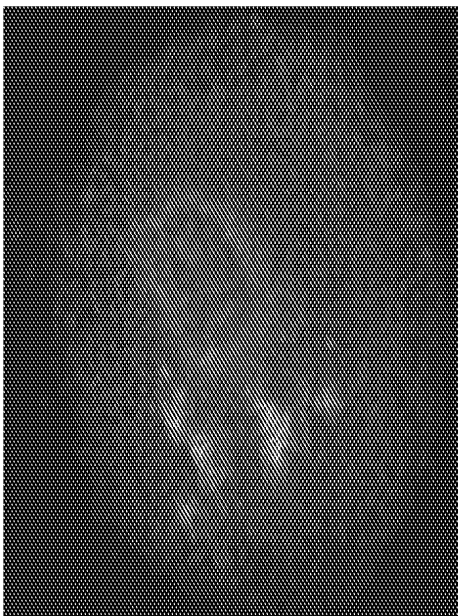
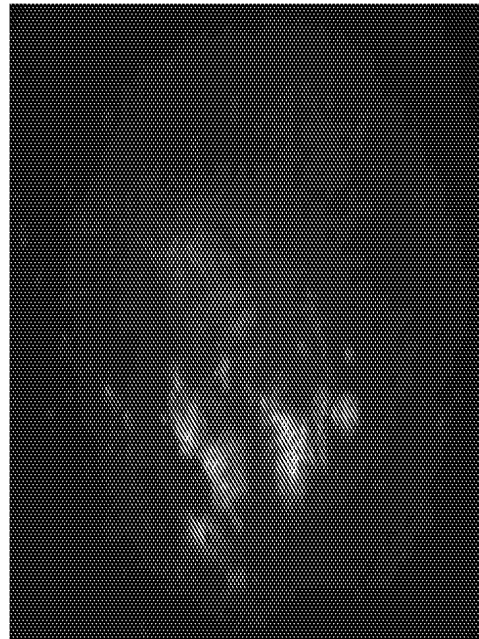


Figure 25: Dual 5T4/Oct-4 staining of hES colony with several areas of loss of Oct4 and concomitant upregulation of 5T4

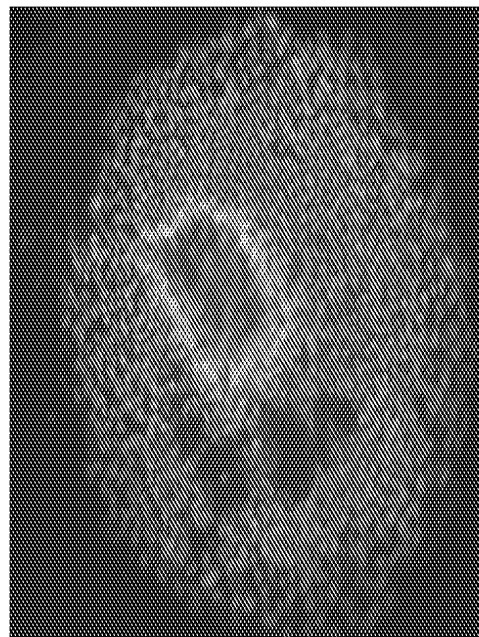
Dapi



5T4 stained using Alexafluor 488



5T4 and OCT-4 overlayed



OCT-4 stained using Alexafluor 546

Figure 26: Dual 5T4/Oct-4 staining of hES colony showing more extensive 5T4 expression which is mutually exclusive with OCT-4

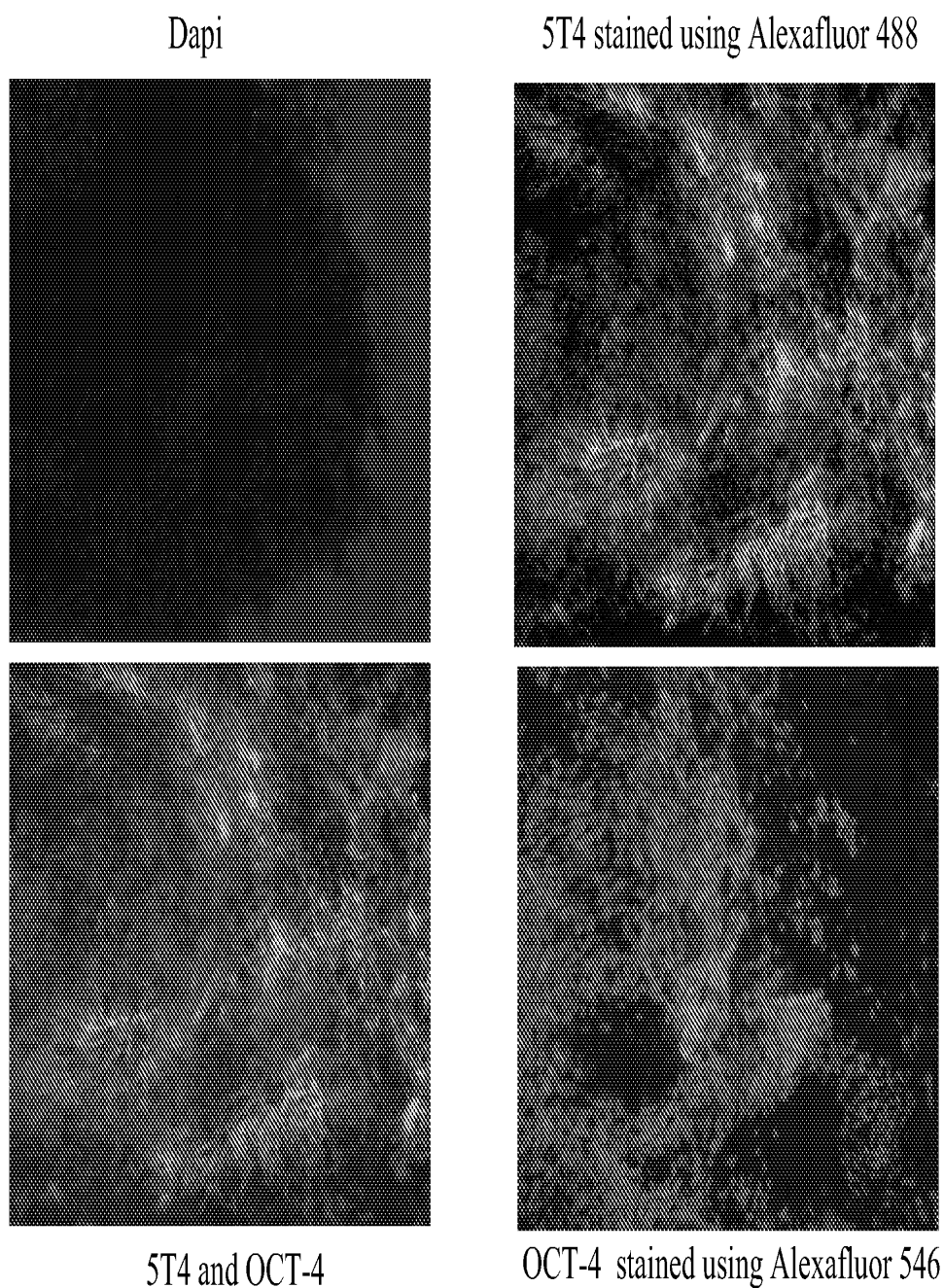
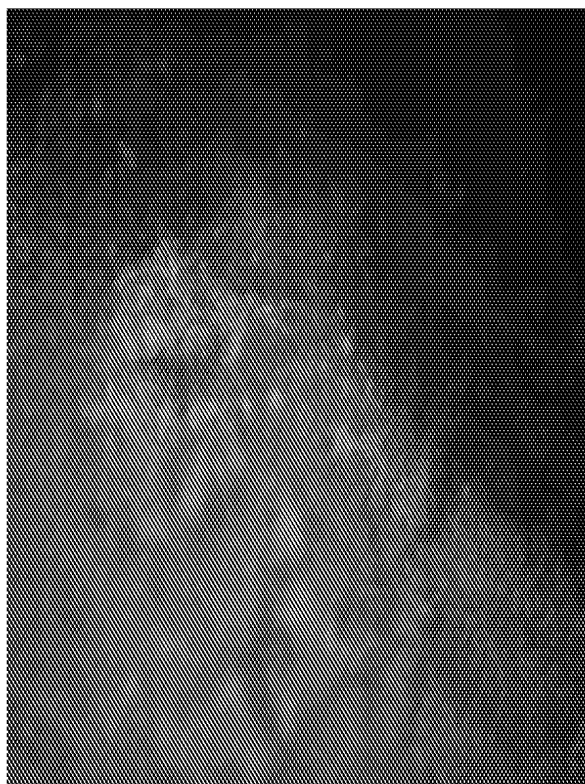
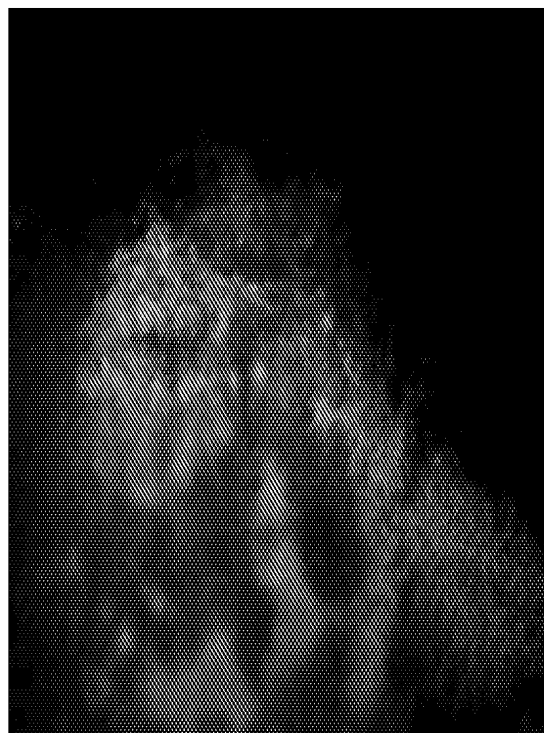
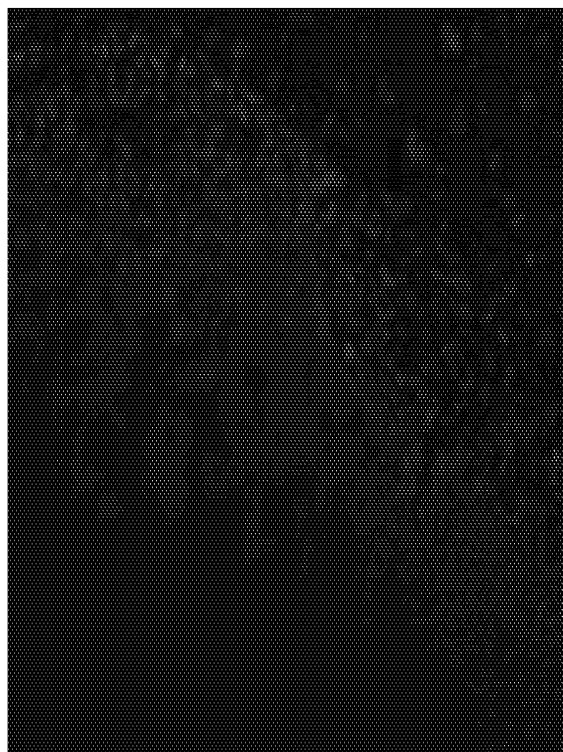


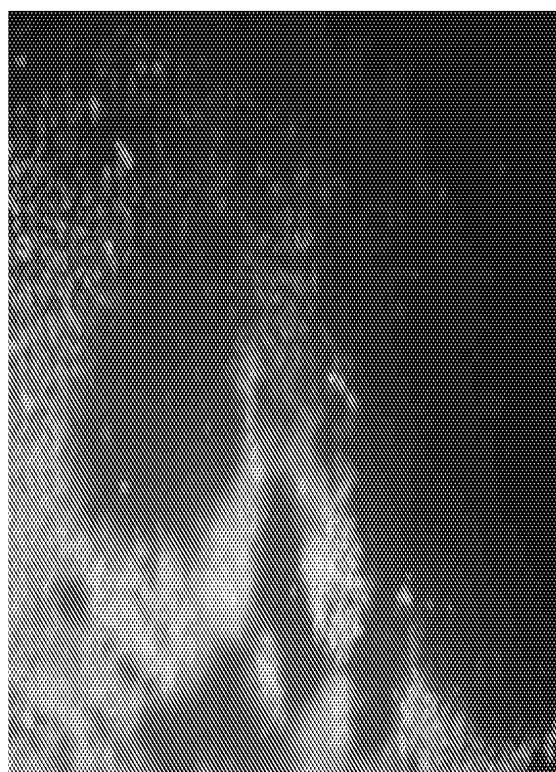
Figure 27 Dual 5T4/Oct-4 staining of hES colony showing more extensive 5T4 expression which is mutually exclusive with OCT-4

Dapi

5T4 stained using Alexafluor 488



5T4 and OCT-4



OCT-4 stained using Alexafluor 546